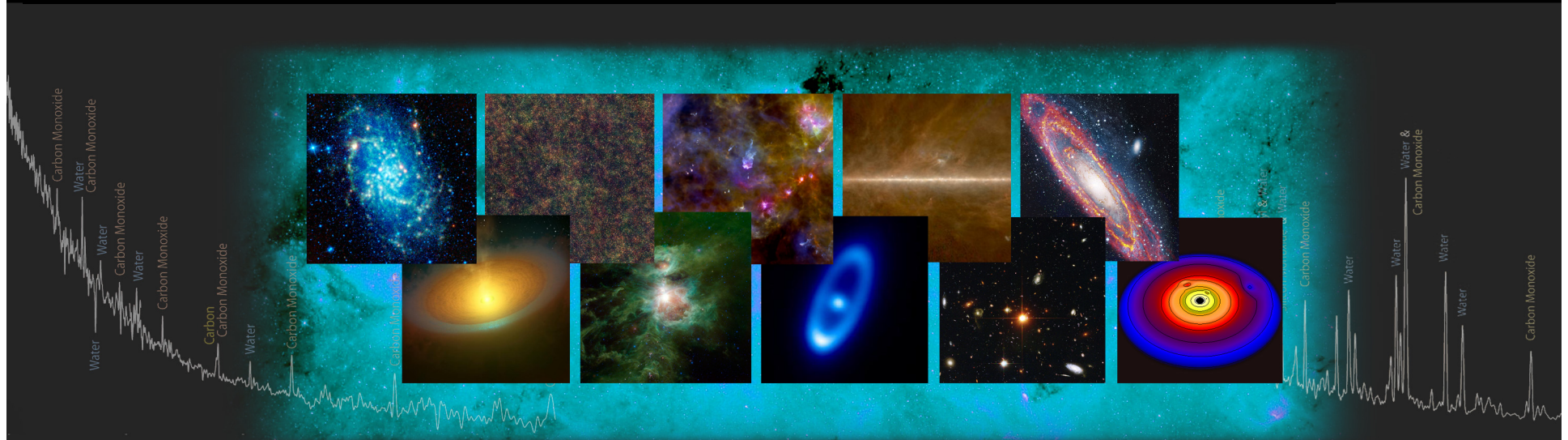


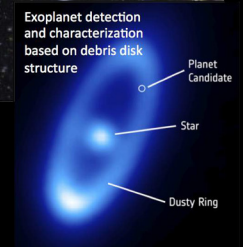
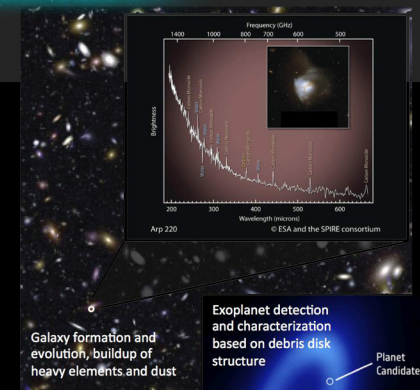
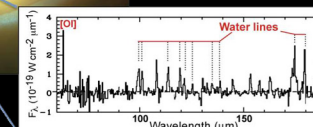
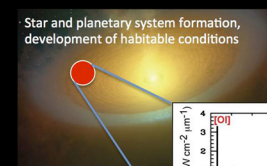
Bringing Fundamental Astrophysical Processes Into Focus: A Community Workshop to Plan the Future of Far-Infrared Space Astrophysics



Orientation, Logistics, and Introductory Remarks (abridged version)

Dave Leisawitz

NASA/GSFC



Why are we here?

The objectives of the workshop are to:

- summarize recent successes in science and technology,
- identify the most pressing science questions that a far-IR space mission is best placed to answer,
- inform the community about technical and programmatic status and optional future directions, and
- renew consensus regarding the future of far-IR space astrophysics.

Energize the community by:

- building awareness of the importance of far-IR astrophysics in the broader context of multi-wavelength astronomy, and
- engaging early-career scientists and technologists in the discussion.

Goals for Day 1



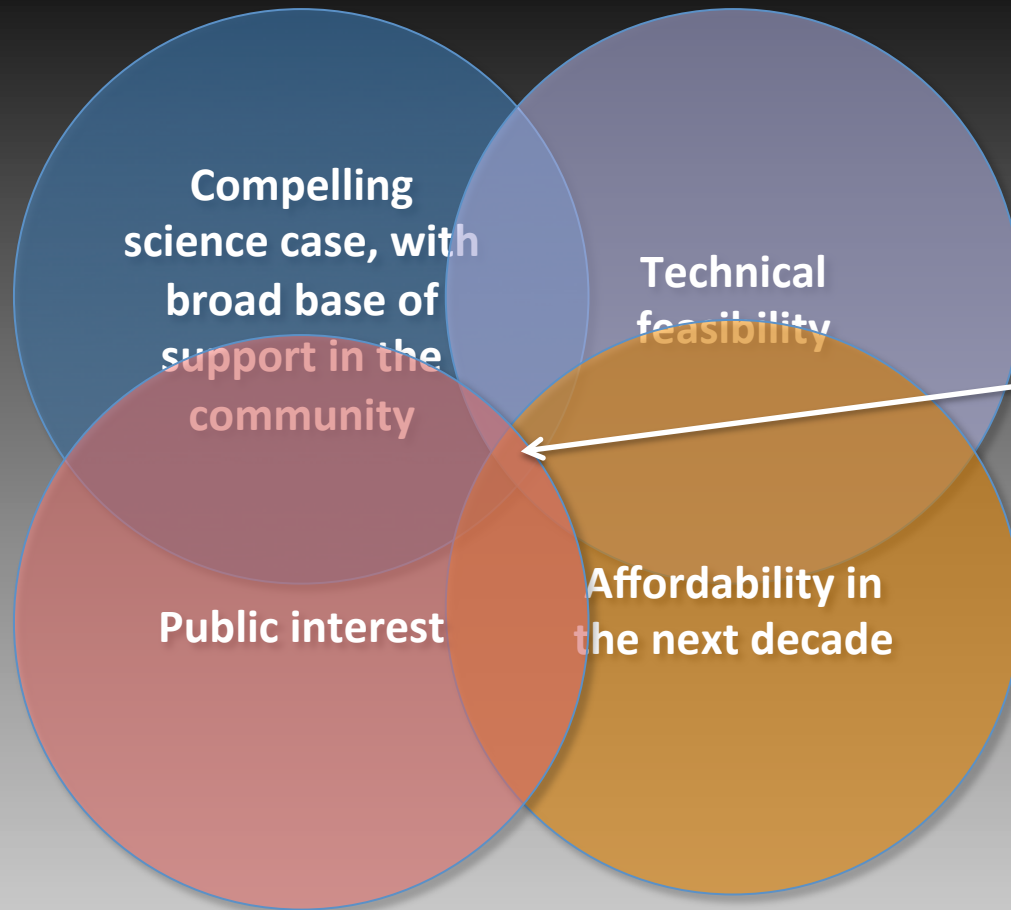
- Where are we now, and where does the science suggest we should go next?
- What are the key measurement capabilities that will enable us to take the next big step?
- How do these capabilities compare with those available elsewhere in the electromagnetic spectrum?
- Discuss the status of critical enabling technology and plans for technology maturation.

Goals for Day 2



- Identify science "killer apps."
- What are the new ideas?
- Assess the opportunity landscape.
- Identify key decision points and open issues.
- Decide the approach we'll take as a community to choose between alternative future paths.

The Sweet Spot



Expensive
(Decadal)
missions only
happen if they
live here

Thanks!



Scientific Organizing Committee

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- **Daniela Calzetti**, University of Massachusetts, Amherst
- **Jackie Fischer**, Naval Research Laboratory
- **Paul Goldsmith**, Jet Propulsion Laboratory, Caltech
- **Meredith Hughes**, Wesleyan University
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- **Hiroshi Matsuo**, National Astronomical Observatory of Japan
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The Cosmic Origins Program Office sponsored this workshop